



Low Impact Development Technical Guidance Manual for Puget Sound

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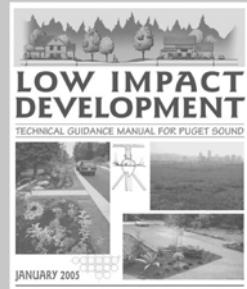
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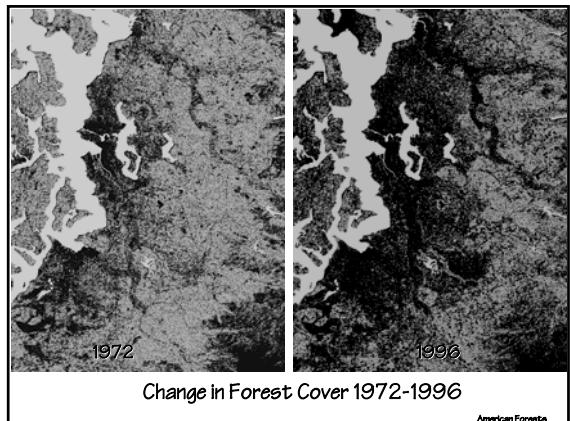
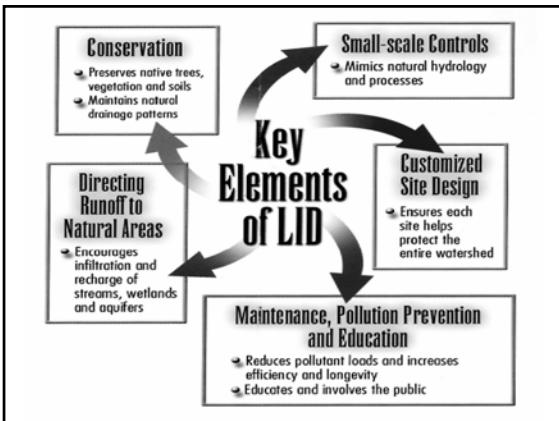
PUGET SOUND
ACTION TEAM
Washington State University

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- Context
- Purpose
- Content
- Development
- Response and Application



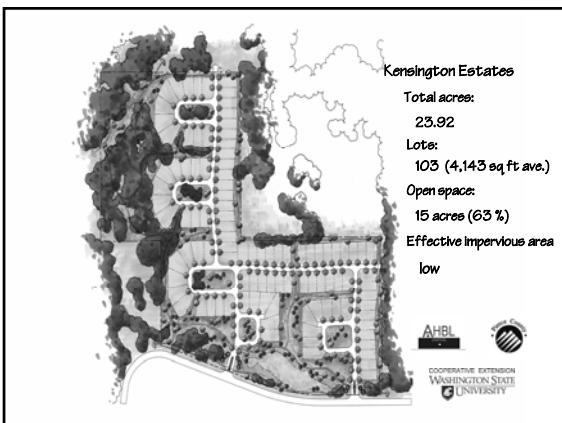
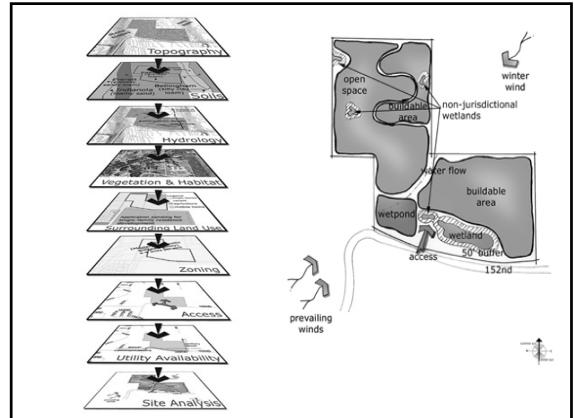
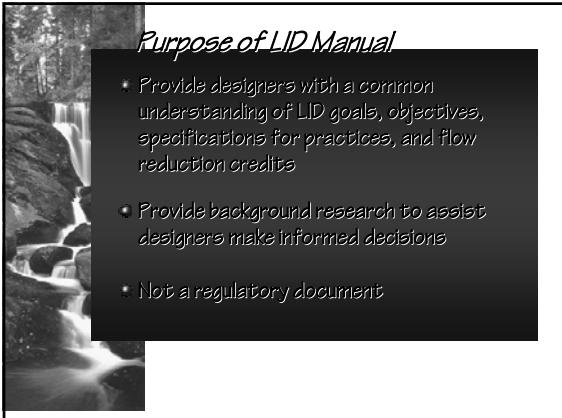
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Current Status of LID:

- LID priority in Puget Sound Water Quality Management Plan since 2001 (PSAT, Office of the Governor)
- Ongoing education
- NPDES Phase II requirements (section 5-7)
- LID manual and code revisions ...institutionalizing LID
- Demonstration projects, monitoring, and refining guidelines and specifications







 *Flow Modeling Credit Categories*

- Permeable pavements
- Bioretention areas
- Vegetated roofs
- Roof rainwater harvesting
- Reverse slope sidewalks
- Low impact foundations
- Dispersion

 *Development*

- Partnership between Washington State University and Puget Sound Action Team
- Resource input...2-years, \$12,000, and significant in-kind contributions
- Living document
- Extensive input from regional and national experts

 *Advisory Committee*

Mark Blodger Derek Booth	Project Engineer, City of Olympia Public Works Department Director, Center for Water and Watershed Studies, University of Washington
Steve Foley	Senior Engineer, King County Department of Natural Resources, Drainage Services Section
Andy Haub Tom Holt Kae Kinkaid	Project Engineer, City of Olympia Public Works Department Hydrologic Services Manager, SCA Engineering Landscape Architect and Principal, Cascadia Design Collaborative
Guest Kogar Chris May	Principal, P.G., P.E.G., P.Hg., Associated Earth Sciences Senior Research Scientist, Battelle Marine Sciences Laboratory
Howard Green Tracy Luskett Chris Webb Bruce Warki	Senior Civil Engineer, Seattle Public Utilities Professional Engineer and Principal, 2020 Engineering Technical Coordinator and Policy Specialist, Puget Sound Action Team
Lon Zekler	AICP, ASLA and Principal, ABLE Engineers

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Colleen Owen AHBL Engineers	Research Assistant Graphics



Response and Application

- WA Dept of Ecology reference
- 3,000 copies distributed to local jurisdictions and consultants
- 5 jurisdictions have adopted manual and several considering adopting all or part
- In use extensively by jurisdictions and consultants as reference